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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/051,073	01/22/2002	Takashi Murakami	2001P014480	3393
21254	7590	07/31/2006	EXAMINER	
MCGINN INTELLECTUAL PROPERTY LAW GROUP, PLLC 8321 OLD COURTHOUSE ROAD SUITE 200 VIENNA, VA 22182-3817			PAN, YUWEN	
		ART UNIT		PAPER NUMBER
				2618

DATE MAILED: 07/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/051,073	MURAKAMI, TAKASHI	
	Examiner Yuwén Pan	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 08 June 2006.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-21 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) 9-13 and 19-21 is/are allowed.
 6) Claim(s) 1-8, 14-18 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____ .

Response to Arguments

1. Applicant's arguments filed 6/08/06 have been fully considered but they are not persuasive.

Again, the applicant argues that prior art of record, JP '110, doesn't teach or suggest that power from the battery is supplied via the cable to the radio circuit. The examiner respectfully disagrees because the term "radio circuit" could be any electronic components, such that receiving amplifier (LNA), transmit amplifier, low pass filter, band pass filter, and etc. So anyone of the electronic components by itself or together constitute radio circuit. In other word, radio circuit by itself is a really broad term. Thus, amplifier 7, at least part of radio circuit, is power by the battery 23 indirectly via cable 32. The applicant argues that prior art of record JP '110 doesn't suggest that the amplifier (7) demodulates a radio signal received by an antenna and transmitted via a cable. Furthermore, the applicant indicates that a radio circuit for demodulating a radio signal received by an antenna and transmitted via a cable. The question is back to the applicant that is what kind of components or parts would constitute the radio circuit for demodulating? For example, Nakamura reference, figure 2 and items 5 and 6, from examiner point of view, the combination of item 5 and 6 constitutes the radio circuit and inherently there must be at less one amplifier involved in the receiving part. Thus, the amplifier is one of the key elements of radio circuit for demodulating. Obviously, for the scope of the invention, not all the fundamental elements need to be showed. A block diagram is sufficient enough to serve the purpose for Nakamura's invention.

The applicant further argues that there is no motivation to combine Nakamura and JP'110. The examiner respectfully disagrees because if one ordinary skill in the art tries to

implement a wireless device based on the teaching Nakamura, he/she must provide housing for the wireless device. It is well known in the art to implement a wireless device in one unit or two units as foldable or sliding type of wireless device. Also, from JP'110 perspective, one ordinary skill in the art would modify electrical components of JP'110 by combining the teaching Nakamura in which utilizes two antennas for high power transmitting and receiving, capable of the diversity reception for radio signal.

In light of the foregoing reasons, the previous rejections stand.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 8 is rejected under 35 U.S.C. 102(b) as being anticipated by Wataya (JP09046110).

Wataya discloses a portable telephone set comprising a radio circuit for demodulating a radio signal received by an antenna and transmitted via a cable (item 32, paragraph 27), and a battery (item 9) for supplying power to the radio circuit (paragraph 21), wherein: the battery and the radio circuit are interconnected by the cable, and power from the battery is supplied via the cable to the radio circuit (see figure 1).

Claim Rejections - 35 USC § 103

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3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-7, and 14-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakamura (US006243563B1) in view of Wataya (JP09046110).

Per claim 1, Nakamura discloses a portable telephone (figure 2) set comprising a detector for detecting the better receiving sensitivity one of radio signals received by an exclusive receiving antenna for only receiving radio signals and a transmitting and receiving antenna for transmitting and receiving radio signals (column 3 and lines 25-39), a switch for selecting the radio signal determined in the detector to be the better receiving sensitivity one (column 3 and lines 10-23), and a radio circuit for demodulating the radio signal from the switch (item 6).

Nakamura doesn't expressly teach that how all the electronic elements have been distributed into housings and been interconnected by a cable. Wataya teaches that the switch provided in a first housing, a radio circuit provided in a second housing and the switch and the radio circuit being interconnected by a cable (see figure 1, items, 8, 21, 22, and 32). It would have been obvious to one ordinary skill in the art at the time the invention was made to combine the teaching of Wataya with Nakamura's device such that the transmitter with which attenuation by transmission on the body of a transmitter of an input signal can be compensated via a cable.

Per claim 2, Nakamura discloses a portable telephone (figure 2) set comprising a detector for detecting the better receiving sensitivity one of radio signals received by an exclusive

receiving antenna for only receiving radio signals and a transmitting and receiving antenna for transmitting and receiving radio signals (column 3 and lines 25-39), a switch for selecting the radio signal determined in the detector to be the better receiving sensitivity one (column 3 and lines 10-23), and a radio circuit for demodulating the radio signal from the switch (item 6).

Nakamura doesn't expressly teach that the switch provided in a first housing, a radio circuit provided in a second housing and the switch and the radio circuit being interconnected by a cable. Wataya teaches that the switch provided in a first housing, a radio circuit provided in a second housing and the switch and the radio circuit being interconnected by a cable (see figure 1, items, 8, 21, 22, and 32). It would have been obvious to one ordinary skill in the art at the time the invention was made to combine the teaching of Wataya with Nakamura's device such that the transmitter with which attenuation by transmission on the body of a transmitter of an input signal can be compensated via a cable.

Per claim 3, Nakamura discloses a portable telephone (figure 2) set comprising a detector for detecting the better receiving sensitivity one of radio signals received by an exclusive receiving antenna for only receiving radio signals and a transmitting and receiving antenna for transmitting and receiving radio signals (column 3 and lines 25-39), a switch for selecting the radio signal determined in the detector to be the better receiving sensitivity one (column 3 and lines 10-23), and a radio circuit for demodulating the radio signal from the switch (item 6). Nakamura doesn't expressly teach that the switch provided in a first housing, a radio circuit provided in a second housing, the switch and the radio circuit being interconnected by a cable, and a battery for supplying power to at least the radio circuit, said battery being provide on a side

of the first housing, the switch an the radio circuit being interconnected by a cable and power from the battery being supplied via the cable to the radio circuit. Wataya teaches that the switch provided in a first housing, a radio circuit provided in a second housing and the switch and the radio circuit being interconnected by a cable (see figure 1, items, 8, 21, 22, and 32), and a battery for supplying power (see figure 1 and items 9 and 23) to at least the radio circuit, said battery being provide on a side of the first housing, the switch an the radio circuit being interconnected by a cable and power from the battery being supplied via the cable to the radio circuit. It would have been obvious to one ordinary skill in the art at the time the invention was made to combine the teaching of Wataya with Nakamura's device such that the transmitter with which attenuation by transmission on the body of a transmitter of an input signal can be compensated via a cable.

Per claim 4, Nakamura discloses a portable telephone (figure 2) set comprising a detector for detecting the better receiving sensitivity one of radio signals received by an exclusive receiving antenna for only receiving radio signals and a transmitting and receiving antenna for transmitting and receiving radio signals (column 3 and lines 25-39), a switch for selecting the radio signal determined in the detector to be the better receiving sensitivity one (column 3 and lines 10-23), and a radio circuit for demodulating the radio signal from the switch (item 6), and the individual antennas being secured. Nakamura doesn't expressly teach that the switch provided in a first housing, a radio circuit provided in a second housing and the switch and the radio circuit being interconnected by a cable. Wataya teaches that the switch provided in a first housing, a radio circuit provided in a second housing and the switch and the radio circuit being interconnected by a cable (see figure 1, items, 8, 21, 22, and 32). It would have been obvious to

one ordinary skill in the art at the time the invention was made to combine the teaching of Wataya with Nakamura's device such that the transmitter with which attenuation by transmission on the body of a transmitter of an input signal can be compensated via a cable.

Per claim 5, Nakamura discloses a portable telephone (figure 2) set comprising a detector for detecting the better receiving sensitivity one of radio signals received by an exclusive receiving antenna for only receiving radio signals and a transmitting and receiving antenna for transmitting and receiving radio signals (column 3 and lines 25-39), a switch for selecting the radio signal determined in the detector to be the better receiving sensitivity one (column 3 and lines 10-23), and a radio circuit for demodulating the radio signal from the switch (item 6), and the individual antennas being secured. Nakamura doesn't expressly teach that the switch provided in a first housing, a radio circuit provided in a second housing, the switch and the radio circuit being interconnected by a cable, and a battery for supplying power to at least the radio circuit, said battery being provide on a side of the first housing, the switch an the radio circuit being interconnected by a cable and power from the battery being supplied via the cable to the radio circuit. Wataya teaches that the switch provided in a first housing, a radio circuit provided in a second housing and the switch and the radio circuit being interconnected by a cable (see figure 1, items, 8, 21, 22, and 32), and a battery for supplying power (see figure 1 and items 9 and 23) to at least the radio circuit, said battery being provide on a side of the first housing, the switch an the radio circuit being interconnected by a cable and power from the battery being supplied via the cable to the radio circuit. It would have been obvious to one ordinary skill in the art at the time the invention was made to combine the teaching of Wataya with Nakamura's

device such that the transmitter with which attenuation by transmission on the body of a transmitter of an input signal can be compensated via a cable.

Per claims 6, and 14, Wataya further teach that the radio circuit and the cable are connected in parallel via coils and capacitors (see figure 1 and items 10, 17 and 32), and power from the battery is supplied via the coil side to the radio circuit (see item 22), and a radio signal received by either one of the antennas is transmitted via the capacitor side to the radio circuit. Per claims 7 and 15-18, Wataya further teach that the cable is a coaxial cable (see figure 1 and item 32).

Allowable Subject Matter

5. Claims 9- 13, and 19-21 are allowed.

Prior art of record doesn't teach that a portable telephone set including a first housing provided with a first and a second terminals to be connected with a first and second external antennas, and a second housing electrically connected via a coaxial cable and mechanically connected with the first housing, and interrelation and position of each substantial element of the portable phone within the vicinity of the housings.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yuwen Pan whose telephone number is 571-272-7855. The examiner can normally be reached on 8-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anderson D. Matthew can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

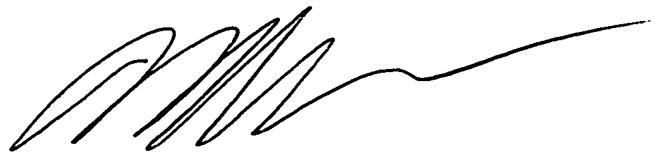
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Yuwen Pan
July 20, 2006



Matthew D. Anderson
Supervisory Patent Examiner